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29 May 1967

SUMMARY OF CIVILIAN DAMAGE IN HA NOI AND HAI PHONG  
SINCE 1 APRIL 1967 (U)

I. HA NOI: The only target struck within the city limits of Ha Noi since 1 April 1967 is the Ha Noi Thermal Power Plant (JCS 81).

A. Strike and Photo Data:

1. Struck 190730Z May 67 by 2 USN A4E aircraft with 2/MK-1 Mod 0 Walleye missiles. Pilots reported one weapon went long and estimated impact at eastern end of TPP complex and second weapon impacted just short of the generator hall.

2. Post strike photography for 19 May Walleye strikes was obtained 20 May by UE/YT mission 473R/1.

3. Struck 210700Z May 67 by 4 USN A4E aircraft with 4/MK-1 Mod 0 Walleye missiles. Pilots reported all four weapons had good lock-on and appeared to guide well. Two appeared to impact on the western side of the generator hall and two appeared to impact on the boiler house.

4. Post strike photography for 21 May Walleye strikes was obtained later 21 May by BS mission Q 574.

B. Photo BDA:

1. Bomb Impacts: BDA of 20 May coverage failed to reveal where the weapons delivered 19 May impacted. No damage was noted either in the target area or in adjacent areas. BDA of 21 May coverage revealed damage to the SE corner of the boiler house. A portion of the roof is sagging, there is a hole to the W of the sagging section. Thus, one or more Walleyes impacted on the boiler house. There is no apparent damage to the remainder of the target or to the adjacent civilian areas.

2. Damage to civilian structures: No damage to civilian structures could be determined on the 19 and 21 May photo coverages. The target is surrounded primarily with civilian housing and commercial structures of masonry construction.

II. HAI PHONG: Two targets in the city limits and one just outside the city limits have been struck since 1 April 1967.

A. Hai Phong Thermal Power Plant East (JCS 82.12)

1. Strike and Photo Data:

a. This target, located just outside the city limits  $\frac{1}{2}$  nm downstream from Hai Phong, was struck 20 April by 24/A4 and 4/F8 USN aircraft

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with 58/500#, 24/1000#, 27/2000# bombs and 3 CBU-24's.

b. Post strike photography for 20 April strikes was obtained 20 April by UE mission 542.

c. Struck 10 May by 12 USN A4 aircraft with 20/1000#, 10/2000# bombs and 2/1000# bullpups.

d. Post strike photography for 10 May strikes was obtained 10 May by UE mission 938D.

2. Photo BDA:

a. Bomb Impacts: All three POL tanks and three of eight support buildings were destroyed. The boiler house, the pier and two support buildings were severely damaged. The generator hall, the water treatment building and one support building were moderately damaged. In a paint plant which is adjacent to the target, on 2 sides, eleven buildings were destroyed and seven damaged. Adjacent to another side of the target four civilian structures were destroyed and 7 damaged. In a ceramics plant located about 400 feet SE of the target, 9 buildings were destroyed and 13 damaged. An additional 16 civilian structures were destroyed immediately SE of the ceramics plant. During the strikes of 10 May the boiler house and generator hall were further damaged and are now considered destroyed. Three support buildings were also further damaged. In the paint plant four additional buildings were damaged and in the ceramic plant one additional building was damaged. One additional civilian structure was destroyed and one damaged adjacent to the target.

b. Damage to Civilian Structures: The target is surrounded by light industry with civilian structures interspersed in the general area. Outside the target area in the light industrial areas a total of 20 buildings are destroyed and 25 damaged. A total of 21 civilian residential/commercial structures are destroyed and 8 damaged. Twelve of the light industrial buildings damaged or destroyed in the ceramics plant and 16 residential/commercial structures damaged or destroyed are outside the spillover (3 CEP) area.

B. Hai Phong Thermal Power Plant West (JCS 80.0)

1. Strike and Photo Data:

a. This target is located just inside the western city limits and immediately south of the Haiphong Cement Plant, JCS 77.1. The target was struck on 20 April by 25 USN A4 aircraft with 46/1000# and 21/2000# bombs.

b. Post strike photography for 20 April strikes was obtained 20 April by UE mission 542.

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c. Struck 10 and 20 May by a total of 22 USN A4 aircraft with 11/2000# and 53/1000# bombs.

d. Post strike photography for 10 and 20 May strikes was obtained on 20 May by UE mission 588P.

e. Struck 26 May by total of 10 USN A4 aircraft with 20/1000# bombs.

f. No post strike photography for 26 May strikes has been obtained.

2. Photo BDA:

a. Bomb Impacts: The coal shed, one water tank and one support building were destroyed. One end of the boiler house/generator hall, five support buildings, one cooling tower and the coal conveyor were moderately damaged. Seven civilian structures adjacent to the target were destroyed. All described damage above is the result of 20 April strikes. During the strikes in May the boiler house/generator hall was further damaged and is now severely damaged. Seven support buildings were destroyed and two were severely damaged. The transformer building and the coal storage building were moderately damaged. Additional damage outside the target area brought the total civilian structures destroyed or damaged up to sixty-nine.

b. Damage to Civilian Structures: The civilian structures destroyed or damaged are along the Ha Ly Canal to the East of the target. This includes 40 light industry structures and 29 residential/commercial structures. The canal is quite active with inland waterway traffic. About 35 of the light industrial structures are beyond the spillover (3 CEP) area.

C. Hai Phong Cement Plant (JCS 77.1):

1. Strike and Photo Data:

a. This target is located just inside the west city limit and immediately north of the Hai Phong Thermal Power Plant W, JCS 80.0. The target was struck on 25 April by 20/A4 and 6/A6 USN aircraft with 118/1000# and 20/2000# bombs.

b. Post strike photography for 25 April strikes was obtained on 7 May by BS mission Q 569.

2. Photo BDA:

a. Bomb Impacts: Twenty-seven targeted structures were destroyed and forty were damaged. One of the six crushing/grinding buildings was destroyed and 5 damaged. Four kilns were damaged and four more

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probably damaged. Almost all ordnance impacted in the target area.

b. Damage to Civilian Structures: All adjacent civilian structures damaged by air strikes are listed in the totals of civilian structures damaged by strikes on the Hai Phong Thermal Power Plant West. There is a possibility that a few of these civilian residential structures were actually damaged during strikes on the Cement Plant.

NOTE: MIG, SAM and AAA opposition to strikes on the targets listed above was generally heavy; however, the actual effect of this opposition on bombing accuracy cannot be judged. The impact points for suppression ordnance (rockets, Shrike missiles, and CBU-24) are not known.

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